
Command and Status Link Diagnostic (LD 48)

The Command and Status Link is an application protocol used for communication between the SL-1 CPU and an external Value Added Server (VAS) such as the Meridian Mail MP. The CSL uses an Enhanced Serial Data Interface (ESDI) card.

The CSL and ESDI are maintained by the Link Diagnostic program (LD 48). The following messages indicate status and error conditions of the CSL software and/or the ESDI card.

With X11 Release 19 or later, and Alarm Filtering (ALRM_FILTER) package 243 equipped, a new expanded format is used to give system message information. When applicable, both display formats are shown.

CSA messages

CSA0001 n t x CSL n cannot be brought up automatically at system time t.

Unformatted: CSA001 N T X

Formatted: CSA001 dd/mm

OPRDAT: N X

n = CSL number

t = system time (only appears when unformatted)

x = 1. ESDI is in invalid state

2. ASIM/DLC data base error.

3. DLI data base error

4. ESDI failed the test

5. ASIM/DLC not enabled

6. DLI not enabled or is in alarm condition

7. ASIM setup failed

8. ESDI HDLC link layer setup failed

9. ESDI no response to the SL-1's command.

10. Far-end did not return the polling message.

CSA0002 n t x CSL n is out-of-service at system time t.

Unformatted: CSA002 N T X

Formatted: CSA002 dd/mm/yy 00009 MSG

OPRDAT: N X

n = CSL number

t = system time (only appears when unformatted)

x =

1. ESDI is out-of-service

2. SL-1 DLI is out-of-service

3. Protocol fault (InfoLink)

4. Meridian Mail—no response from sanity polling.

CSA0003 n t CSL n is now active, at system time t.

	Unformatted: CSA003 N T
	Formatted: CSA003 dd/mm/yy 00009 MSG OPRDAT: N
CSA0004 n t	CSL n is now standby, at system time t.
	Unformatted: CSA004 N T
	Formatted: CSA004 dd/mm/yy 00009 MSG
	OPRDAT: N
	n = CSL number
	t = system time (only appears when unformatted)
CSA0005 n x y	The message threshold on an ISDN/AP link n has overflowed.
	Where: x = OVD message sent across the link
	y = number of messages received during the last time interval.
CSA0100 q t	Warning: The available Call Registers in the AML queue is down to 20 percent of total resource.
	Where: q = I for input queue or O for output queue
	t = the system timestamp.
	The message appears in the following formats:
	CSA100 {I} {timestamp}
	SYS: {#CR in System msg queue}
	CPI: {#CR in Call Processing msg queue}
	ADM: {#CR in Admin./Maint. msg queue}
	CSA100 {O} {timestamp}
	AML:{link#}
	S: {CR in the queue for this link}
	AML: {other configured output link}
	S: {...} ADM: {...} S: {...}
CSA0101 q t	Overflow: The available Call Registers in the AML queue is down to 0 percent of total resource.
	Where:
	q = I for input queue or O for output queue
	t = the system timestamp.

If there are two or more CSA100 warning messages in a week, increase the value of CSQI and CSQO in LD 17.

The message appears in the following formats:

CSA101 {I} {timestamp} SYS:{#CR in System msg queue}

CPI: {#CR in Call Processing msg queue}

ADM: {#CR in Admin./Maint. msg queue}

CSA101 {O} {timestamp} AML: {link#}

S: {CR in the queue for this link}

AML:{other configured output link}

S: {...} ADM:{...} S:{...}

CSA0102 q time Recover: The available call registers in the AML queue has recovered to 40% of total resource.

q = I for input queue

q = O for output queue

time = the system timestamp

If there are two or more CSA102 overflow messages in a day for one week, the system should be re-engineered or upgraded to a faster machine type.

The message appears in the following formats:

CSA102 {I} {timestamp}

SYS:{#CR in System msg queue}

CPI: {#CR in Call Processing msg queue}

ADM: {#CR in Admin./Maint. msg queue}

CSA102 {O} {timestamp} AML: {link#}

S: {#CR in the queue for this link}

AML:{other configured output link}

S: {...} ADM:{...} S:{...}

CSA0104 n a t CCR READY bit set, CCR is now Active. Where

n : Link Number

t : Time Stamp

CSA104 prints when SL-1 receives Start Up or Flow Control messages, or after SL-1 initialized.

CSA0103	PROG_CR for deacquire cannot be allocated after finished revert to default process.
CSA0105 n a t	CCR READY bit reset, CCR is now Disabled. Where: n : Link Number t : Time Stamp CSA105 prints when system receives Shut Down, CCR died, 10 consecutive timeout, ESDI cable being poured, or link disabled messages, and after SL-1 initialized.
CSA0106	Link congestion or slow response time detection on the Application Module Link. Cleaning up link. The format of CSA106 is as follows: CSA### {AML link#} {hours} {minutes} {seconds} {o} {si} {cpi} Where: ### = 106 or 107 AML link # = the AML link number for the application o = queue length of the AML output queue for the application si = queue length of all AML system input queues cpi = queue length of all AML call processing input queues
CSA0107	Link cleanup completed. This message is tied directly to last CSA106 message. The format of CSA107 is as follows: CSA### {AML link#} {hours} {minutes} {seconds} {o} {si} {cpi} Where: ### = 106 or 107 AML link # = the AML link number for the application o = queue length of the AML output queue for the application si = queue length of all AML system input queues cpi = queue length of all AML call processing input queues
CSA0108	This CDN is being switched to default mode because: 1. CDN is unknown to the application. 2. No call script is defined for the CDN.

CSA

The Craftperson is responsible to fix the problem and reset the CDN back to the controlled mode if desired. The format of CSA 108 is as follows: CSA108 {CDN} {cust no} {reason code}

Where reason code = (no call script is defined for the CDN.) (undefined CD)

CSA0109 Process deacquire all is in progress.